

### GCSE Manufacturing Revision Programme

	Topic	Resources
1	Give a definition of what of the word technology. Give two examples of modern technology.	Independent Internet research / Manufacturing books.
2	Name two sectors and two products from each sector.	Independent Internet research / Manufacturing books.
3	Research : Mass productions and products made One off production and products made	Independent Internet research / Manufacturing books.
4	What is a standard component? Give two examples.	Independent Internet research / Manufacturing books.
5	When, how and where are robotics used in manufacturing?	Independent Internet research / Manufacturing books.
6	What are the advantages and disadvantages of robotics?	Independent Internet research / Manufacturing books.
7	What do the three 'R' s stand for? What are the benefits to the environment?	Independent Internet research / Manufacturing books.
8	Why would a prototype be made?	Independent Internet research / Manufacturing books.
9	What is a prototype?	Independent Internet research / Manufacturing books.
10	What do the following abbreviations mean? CAD CAM ICT CIM	Independent Internet research / Manufacturing books.
11	What are smart materials? Give two examples.	Independent Internet research / Manufacturing books.
12	Explain Remote manufacturing.	Independent Internet research / Manufacturing books.
13	What effects has technology had on society, positive and negatives?	Independent Internet research / Manufacturing books.
14	What is CAD? What is CAM?	Independent Internet research / Manufacturing books.
15	What are the advantages of CAD? What are the disadvantages of CAD?	Independent Internet research / Manufacturing books.
16	What is teamwork? Why is it important?	Independent Internet research / Manufacturing books.
17	What are the stages of manufacturing?	Independent Internet research / Manufacturing books.
18	What does ICT stand for?	Independent Internet research / Manufacturing books.

	What are the advantage/disadvantages of ICT?	
19	Name two manufacturing sectors and give two products for each	Independent Internet research / Manufacturing books.
20	What is Lean Manufacturing?	Independent Internet research / Manufacturing books.
21	Explain Just In Time manufacturing.	Independent Internet research / Manufacturing books.
22	Name four production constraints.	Independent Internet research / Manufacturing books.
23	What is a standard component?	Independent Internet research / Manufacturing books.
24	Give two examples of standard components.	Independent Internet research / Manufacturing books.
25	Explain the importance of health and safety to a company.	Independent Internet research / Manufacturing books.
26	Discuss the benefits of robotics to the workforce.	Independent Internet research / Manufacturing books.
27	Discuss the benefits of modern technology to a company.	Independent Internet research / Manufacturing books.
28	What is global trading? What are the benefits of global trading?	Independent Internet research / Manufacturing books.
29	Discuss the why a company would you use Just In Time manufacturing.	Independent Internet research / Manufacturing books.
30	Explain the importance of quality control and why it is important for a company to produce quality products.	Independent Internet research / Manufacturing books.

- Students will be introduced to the topic and task during the lesson **(plenary)**.
- They will then be expected to completed the task during their own time (homework or after school club) ready for the following lesson.
- Students will be tested on the topic during the following lesson **(starter)**.